

ABSTRACT

A mini-fan has a fan wheel (64) equipped with fan blades (80), and an electrical drive motor (61) for driving that fan wheel.

The drive motor (61) has a permanent-magnet external rotor (62) and an internal stator (90), which latter is implemented as a claw pole stator having pole pieces (88, 110) whose claw poles (84, 86) engage into one another. Arranged between the pole pieces is a coil former (57) that comprises a central portion (54) to which are joined two side parts (50, 56), located opposite one another, one of which is implemented as a carrier for electrical elements (96, 98) of the motor (61).